



Materials Testing Laboratory
15700 E. 32nd Avenue
Aurora, Colorado 80011
(303)326-8270 Fax (303 326-8271)

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MATERIAL PRE-QUALIFICATION FOR TYPE SX-75

APPROVED For use until June 1, 2019

Company Name:	Colorado Asphalt Services, Inc.
Contact Person:	J. Lara, jlara@coloradoasphalt.com
Mailing Address:	P.O. Box 329
	Commerce City, CO 80037
Telephone No.:	303-292-3434

JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	4-18	UPPER LIMIT
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	100	100	100
Percent Passing 1/2" Sieve	93	99	100
Percent Passing 3/8" Sieve	83	89	95
Percent Passing No. 4 Sieve	65	70	75
Percent Passing No. 8 Sieve	47	52	57
Percent Passing No. 16 Sieve	31	36	41
Percent Passing No. 30 Sieve	21	25	29
Percent Passing No. 50 Sieve	12	16	20
Percent Passing No. 100 Sieve	5	9	13
Percent Passing No. 200 Sieve (Including 1% Lime)	4.4	6.4	8.4
Asphaltic Cement Content (%)	5.1	5.4	5.7
Maximum Unit Weight (pcf)		156.3	
Aggregate Bulk Specific Gravity		2.416	
Maximum Specific Gravity, AASHTO T 209		2.505	
Total Air Voids In Mix	3.0	3.6	5.0
Voids In Mineral Aggregate (VMA)	13.5	14.7	15.9
Hveem Stability	28	37	OK
Voids Filled With Asphalt (%)	65	75.9	78
Lottman Test (AASHTO T 283)	OK	101	
Dry Tensile Strength (psi)	OK	94	
Fine Aggregate Angularity	OK	46	
Two Fractured Faces	80	98	
L. A. Abrasion	OK	23	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	2.2	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	0.29	
Sand Equivalent, AASHTO L 176	OK	64	
Sodium Sulfate Soundness	OK	4.7	
Asphalt Cement Type* (Greater than 15% RAP Bump)		64-22	Suncor
Lime	Lime	1%	Pete Lien
Cellulose Fiber	Cellulose Fiber	0.3%	
Limestone Dust	Mineral Filler	4%	Pete Lien



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JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	7-18	UPPER LIMIT
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	93	99	100
Percent Passing 1/2" Sieve	83	89	95
Percent Passing 3/8" Sieve	75	81	87
Percent Passing No. 4 Sieve	58	63	68
Percent Passing No. 8 Sieve	41	46	51
Percent Passing No. 16 Sieve	27	32	37
Percent Passing No. 30 Sieve	19	23	27
Percent Passing No. 50 Sieve	10	14	18
Percent Passing No. 100 Sieve	4	8	12
Percent Passing No. 200 Sieve (Including 1% Lime)	4.0	6.0	8.0
Asphaltic Cement Content (%)	4.65	5.0	5.25
Maximum Unit Weight (pcf)		157.7	
Aggregate Bulk Specific Gravity		2.434	
Maximum Specific Gravity, AASHTO T 209		2.527	
Total Air Voids In Mix	3.0	3.7	5.0
Voids In Mineral Aggregate (VMA)	12.7	13.9	15.1
Hveem Stability	28	38	OK
Voids Filled With Asphalt (%)	65	73.6	78
Lottman Test (AASHTO T 283)	OK	96	
Dry Tensile Strength (psi)	OK	83	
Fine Aggregate Angularity	OK	46	
Two Fractured Faces	80	98	
L. A. Abrasion	OK	22	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	2.1	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	0.31	
Sand Equivalent, AASHTO L 176	OK	71	
Sodium Sulfate Soundness	OK	4.8	
Asphalt Cement Type* (Greater than 15% RAP Bump)		PG 64-22	Suncor
Lime		1%	Pete Lien



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MATERIAL PRE-QUALIFICATION FOR TYPE SX-75 w/ RAP (20% Max) APPROVED For use until June 1, 2019

Company Name:	Colorado Asphalt Services, Inc.
Contact Person:	J. Lara, jlara@coloradoasphalt.com
Mailing Address:	P.O. Box 329
	Commerce City, CO 80037
Telephone No.:	303-292-3434

JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	39-18	UPPER LIMIT
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	100	100	100
Percent Passing 1/2" Sieve	92	98	100
Percent Passing 3/8" Sieve	82	88	94
Percent Passing No. 4 Sieve	64	69	74
Percent Passing No. 8 Sieve	48	53	58
Percent Passing No. 16 Sieve	33	38	43
Percent Passing No. 30 Sieve	23	27	31
Percent Passing No. 50 Sieve	13	17	21
Percent Passing No. 100 Sieve	6	10	14
Percent Passing No. 200 Sieve (Including 1% Lime)	4.7	6.7	8.7
Asphaltic Cement Content (%)	5.1	5.4	5.7
Maximum Unit Weight (pcf)		156.1	
Aggregate Bulk Specific Gravity		2.400	
Maximum Specific Gravity, AASHTO T 209		2.501	
Total Air Voids In Mix	3.0	4	5.0
Voids In Mineral Aggregate (VMA)	13.9	15.1	16.4
Hveem Stability	28	37	OK
Voids Filled With Asphalt (%)	65	73.3	78
Lottman Test (AASHTO T 283)	OK	97	
Dry Tensile Strength (psi)	OK	68	
Fine Aggregate Angularity	OK	45	
Two Fractured Faces	80	96	
L. A. Abrasion	OK	23	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	1.8	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	0.26	
Sand Equivalent, AASHTO L 176	OK	66	
Sodium Sulfate Soundness	OK	4.2	
Asphalt Cement Type* (Greater than 15% RAP Bump)	PG58-28 Required	PG 58-28	Suncor
Lime	LIME	1%	Pete Lien
Cellulose Fiber	Cellulose Fiber	0.3%	
Limestone Dust	Mineral Filler	4%	Pete Lien



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JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	41-18	UPPER LIMIT
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	93	99	100
Percent Passing 1/2" Sieve	82	88	94
Percent Passing 3/8" Sieve	73	79	85
Percent Passing No. 4 Sieve	56	61	66
Percent Passing No. 8 Sieve	42	47	52
Percent Passing No. 16 Sieve	29	34	39
Percent Passing No. 30 Sieve	20	24	28
Percent Passing No. 50 Sieve	11	15	19
Percent Passing No. 100 Sieve	5	9	13
Percent Passing No. 200 Sieve (Including 1% Lime)	4.2	6.2	8.2
Asphaltic Cement Content (%)	4.7	5.0	5.3
Maximum Unit Weight (pcf)		157.4	
Aggregate Bulk Specific Gravity		2.426	
Maximum Specific Gravity, AASHTO T 209		2.522	
Total Air Voids In Mix	3.0	3.8	5.0
Voids In Mineral Aggregate (VMA)	13.0	14.2	16.4
Hveem Stability	28	41	OK
Voids Filled With Asphalt (%)	65	73.2	78
Lottman Test (AASHTO T 283)	OK	101	
Dry Tensile Strength (psi)	OK	77	
Fine Aggregate Angularity	OK	45	
Two Fractured Faces	80	97	
L. A. Abrasion	OK	22	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	1.9	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	0.29	
Sand Equivalent, AASHTO L 176	OK	72	
Sodium Sulfate Soundness	OK	4.3	
Asphalt Cement Type* (Greater than 15% RAP Bump)	PG58-28 Required	PG 58-28	Suncor
Lime		1%	Pete Lien